

1	M	E	V	-	-	-	C	Y	Q	L	P	V	L	P	L	D	R	P	V	P	Q	H	V	L	S	R	R	G	A	I	S	F	S	S	S	S	A	L	F	G	C	P	N	P	R	Q	L	S	Q	h7A1.pro		
1	M	G	I	T	L	I	W	C	L	A	L	-	-	-	-	-	-	-	-	-	-	-	V	L	I	K	W	I	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	S	K	h7A2.pro		
1	M	G	I	T	L	I	W	C	L	A	L	-	-	-	-	-	-	-	-	-	-	-	V	L	I	K	W	I	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	S	K	mou7A2.pro		
1	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	rat7a.PRO					
47	R	R	G	A	I	S	Y	D	S	S	D	Q	T	A	L	Y	I	R	M	L	G	D	V	R	V	R	S	R	A	G	F	F	E	S	E	R	R	G	S	H	P	Y	I	D	F	R	I	F	H	S	Q	h7A1.pro
21	R	R	G	A	I	S	Y	D	S	S	D	Q	T	A	L	Y	I	R	M	L	G	D	V	R	V	R	S	R	A	G	F	F	E	S	E	R	R	G	S	H	P	Y	I	D	F	R	I	F	H	S	Q	h7A2.pro
21	R	R	G	A	I	S	Y	D	S	S	D	Q	T	A	L	Y	I	R	M	L	G	D	V	R	V	R	S	R	A	G	F	F	E	T	E	R	R	G	S	H	P	Y	I	D	F	R	I	F	H	S	Q	mou7A2.pro
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	rat7a.PRO					
97	S	E	I	E	V	S	V	S	A	R	N	I	R	R	L	L	S	F	Q	R	Y	L	R	S	S	R	F	F	R	G	T	A	V	S	N	S	L	N	I	L	D	D	D	Y	N	G	Q	A	K	C	h7A1.pro	
71	S	E	I	E	V	S	V	S	A	R	N	I	R	R	L	L	S	F	Q	R	Y	L	R	S	S	R	F	F	R	G	T	A	V	S	N	S	L	N	I	L	D	D	D	Y	N	G	Q	A	K	C	h7A2.pro	
71	S	D	I	E	A	S	V	S	A	R	N	I	R	R	L	L	S	F	Q	R	Y	L	R	S	S	R	V	F	F	R	G	A	T	V	C	S	S	L	D	I	L	D	E	D	Y	N	G	Q	A	K	C	mou7A2.pro
43	S	E	I	E	A	S	V	S	A	R	N	I	R	R	L	L	S	F	Q	R	Y	L	R	S	S	R	F	F	R	G	A	T	V	C	R	S	L	N	I	L	D	E	D	Y	N	G	Q	A	K	C	rat7a.PRO	
147	M	L	E	K	V	G	N	W	N	F	D	I	F	L	F	D	R	L	T	N	G	N	S	L	V	S	L	T	F	H	L	F	S	L	H	G	L	I	E	Y	F	H	L	D	M	M	K	L	R	R	h7A1.pro	
121	M	L	E	K	V	G	N	W	N	F	D	I	F	L	F	D	R	L	T	N	G	N	S	L	V	S	L	T	F	H	L	F	S	L	H	G	L	I	E	Y	F	H	L	D	M	M	K	L	R	R	h7A2.pro	
121	M	L	E	K	V	G	N	W	N	F	D	I	F	L	F	D	R	L	T	N	G	N	S	L	V	S	L	T	F	H	L	F	S	L	H	G	L	I	E	Y	F	H	L	D	M	V	K	L	R	R	mou7A2.pro	
93	M	L	E	K	V	G	N	W	N	F	D	I	F	L	F	D	R	L	T	N	G	N	S	L	V	S	L	T	F	H	L	F	S	L	H	G	L	I	E	Y	F	H	L	D	M	V	K	L	R	R	rat7a.PRO	
197	F	L	V	M	I	Q	E	D	Y	H	S	Q	N	P	Y	H	N	A	V	H	A	A	D	V	T	Q	A	M	H	C	Y	L	K	E	P	K	L	A	N	S	V	T	P	W	D	I	L	L	S	L	h7A1.pro	
171	F	L	V	M	I	Q	E	D	Y	H	S	Q	N	P	Y	H	N	A	V	H	A	A	D	V	T	Q	A	M	H	C	Y	L	K	E	P	K	L	A	N	S	V	T	P	W	D	I	L	L	S	L	h7A2.pro	
171	F	L	V	M	I	Q	E	D	Y	H	S	Q	N	P	Y	H	N	A	V	H	A	A	D	V	T	Q	A	M	H	C	Y	L	K	E	P	K	L	A	S	V	T	P	W	D	I	L	L	S	L	mou7A2.pro		
143	F	L	V	M	I	Q	E	D	Y	H	S	Q	N	P	Y	H	N	A	V	H	A	A	D	V	T	Q	A	M	H	C	Y	L	K	E	P	K	L	A	N	S	V	T	P	W	D	I	L	L	S	L	rat7a.PRO	

247	I A A A T H D L D H P G V N Q P F L I K T N H Y L A T L Y K K N T S V L E N H H W R S A V G L L R E S	h7A1.pro
221	I A A A T H D L D H P G V N Q P F L I K T N H Y L A T L Y K K N T S V L E N H H W R S A V G L L R E S	h7A2.pro
221	I A A A T H D L D H P G V N Q P F L I K T N H Y L A T L Y K K N T S V L E N H H W R S A V G L L R E S	mou7A2.pro
193	I A A A T H D L D H P G V N Q P F L I K T N H Y L A T L Y K K N T S V L E N H H W R S A V G L L R E S	rat7a.pro
297	G L F S H L P L E S R Q Q M E T Q I G A L I L A T D I S R Q N E Y L S L F R S H L D R G D L C L E D	h7A1.pro
271	G L F S H L P L E S R Q Q M E T Q I G A L I L A T D I S R Q N E Y L S L F R S H L D R G D L C L E D	h7A2.pro
271	G L F S H L P L E S R Q Q M E A Q I G A L I L A T D I S R Q N E Y L S L F R S H L D K G D L H L D D	mou7A2.pro
243	G L F S H L P L E S R H E M E A Q I G A L I L A T D I S R Q N E Y L S L F R S H L D K G D L H L D D	rat7a.pro
347	T R H R H L V L Q M A L K C A D I C N P C R T W E L S K Q W S E K K V T E E F F H Q G D I E K K Y H L	h7A1.pro
321	T R H R H L V L Q M A L K C A D I C N P C R T W E L S K Q W S E K K V T E E F F H Q G D I E K K Y H L	h7A2.pro
321	G R H R H L V L Q M A L K C A D I C N P C R N W E L S K Q W S E K K V T E E F F H Q G D I E K K Y H L	mou7A2.pro
293	G R H R H L V L Q M A L K C A D I C N P C R N W E L S K Q W S E K K V T E E F F H Q G D I E K K Y H L	rat7a.pro
397	G V S P L C D R H T E S I A N I Q I G F M T Y L V E P L F T E W A R F S N T R L S Q T M L G H V G L	h7A1.pro
371	G V S P L C D R H T E S I A N I Q I G F M T Y L V E P L F T E W A R F S N T R L S Q T M L G H V G L	h7A2.pro
371	G V S P L C D R Q T E S I A N I Q I G F M T Y L V E P L F T E W A R F S A T R L S Q T M L G H V G L	mou7A2.pro
343	G V S P L C D R Q T E S I A N I Q I G F M T Y L Q E P L F T E W A R F S D T R L S Q T M L G H V G L	rat7a.pro
447	N K A S W K G L Q R E Q S S S E D T D A A F E L N S Q L L P Q E N R L S	h7A1.pro
421	N K A S W K G L Q R E Q S S S E D T D A A F E L N S Q L L P Q E N R L S	h7A2.pro
421	N K A S W K G L Q R Q Q P S S E D A N A A F E L N S Q L L T Q E N R L - S	mou7A2.pro
393	N K A S W K G L Q R Q Q P S S E D A S A A F E L N S Q L L T Q E N R L S	rat7a.pro

FIGURE 1 (CONTINUED)

[illegible]

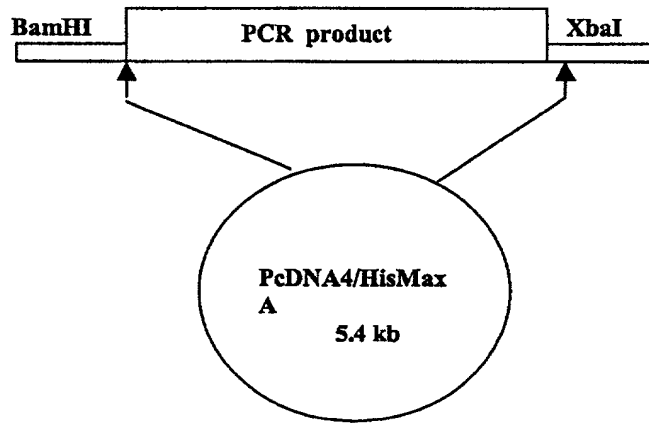


FIGURE 3

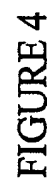


FIGURE 4

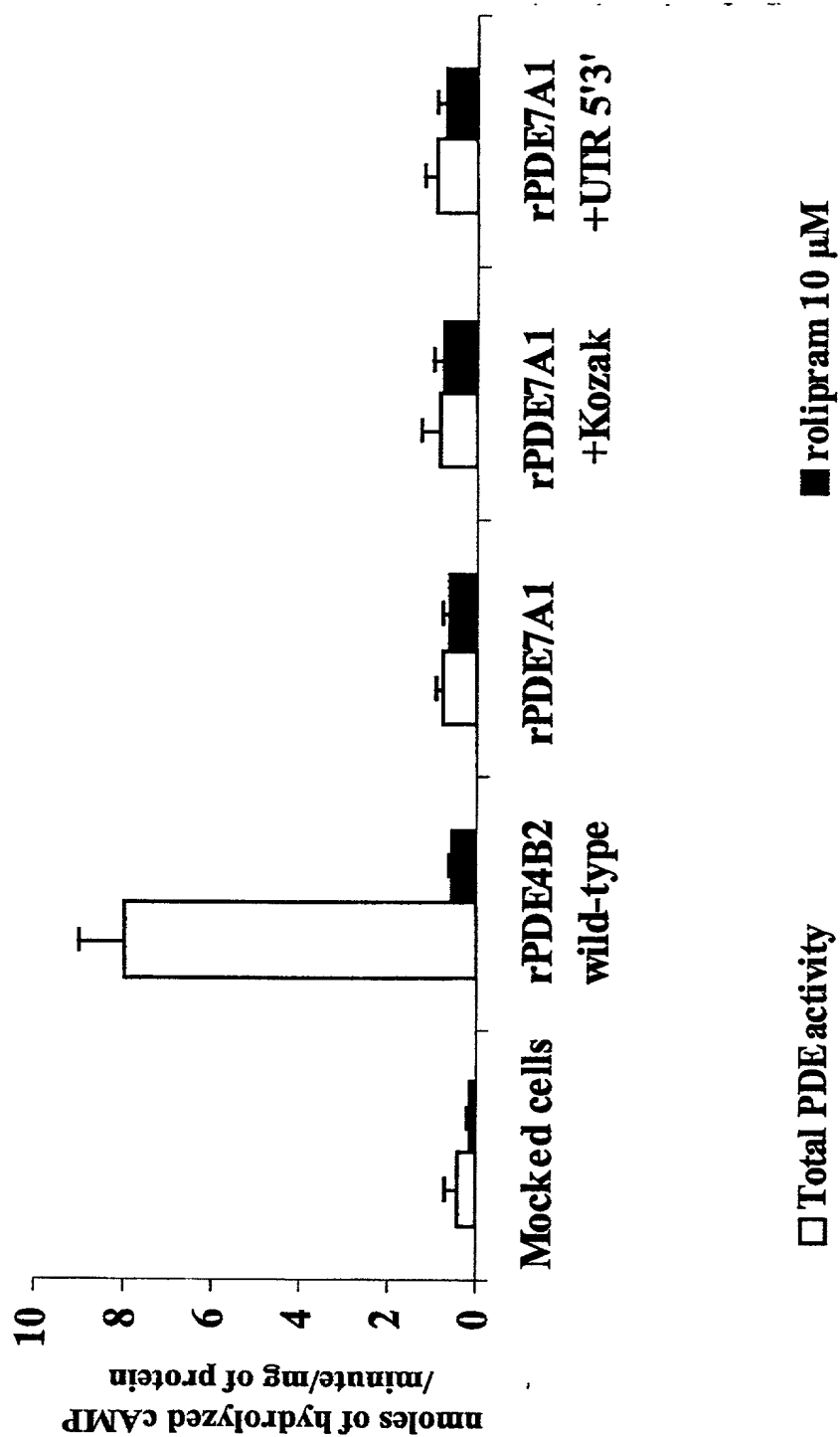


FIGURE 5

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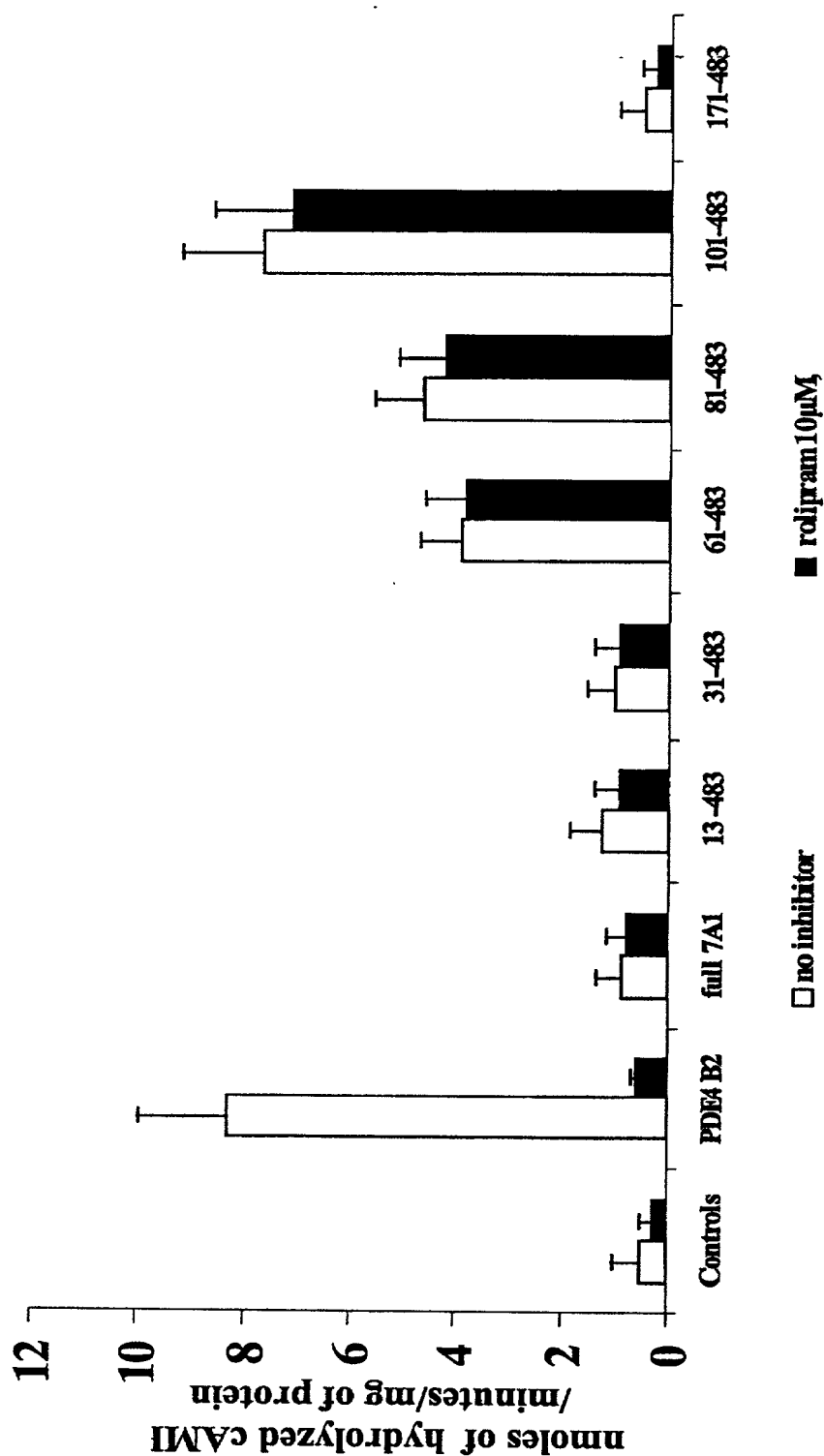


FIGURE 6

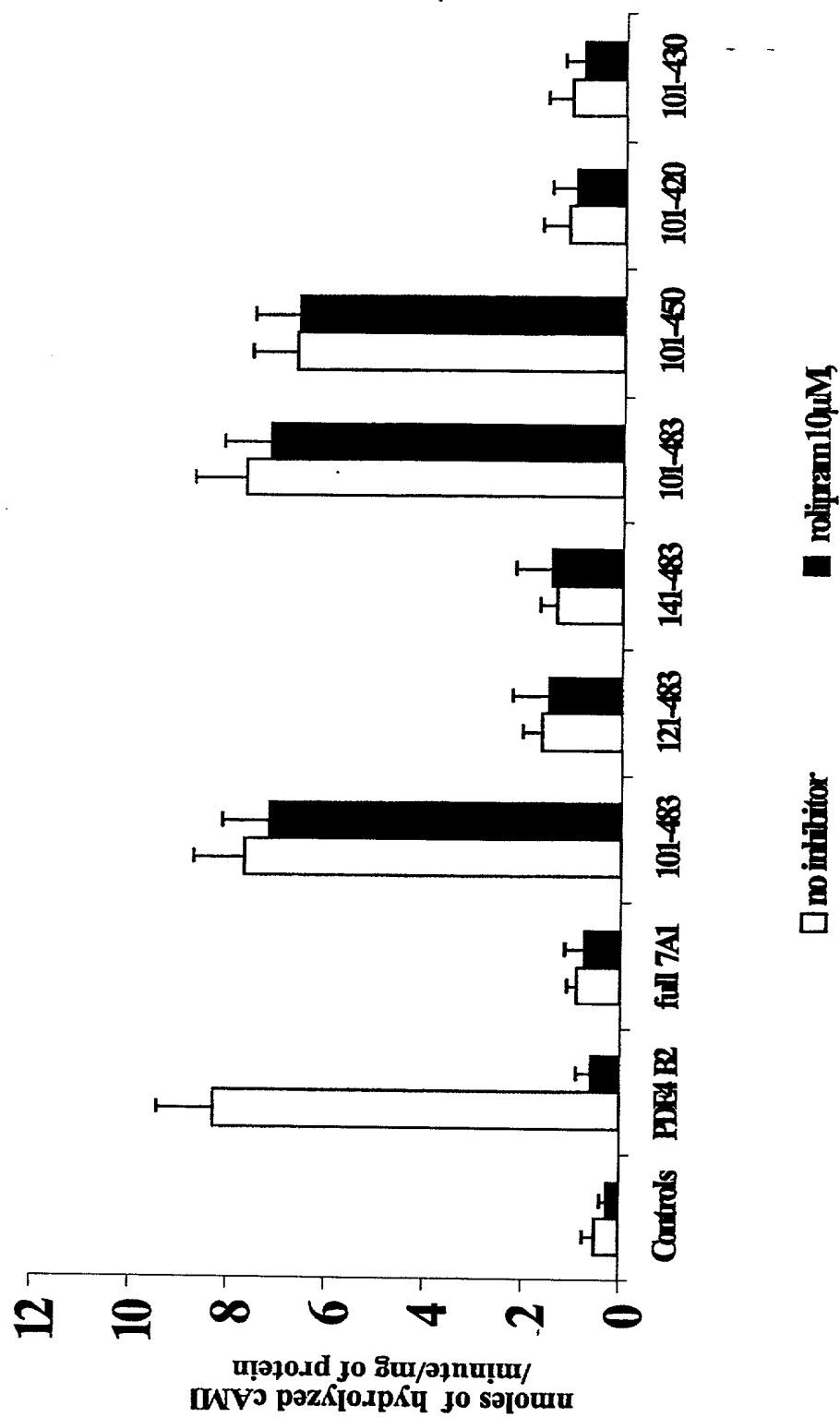
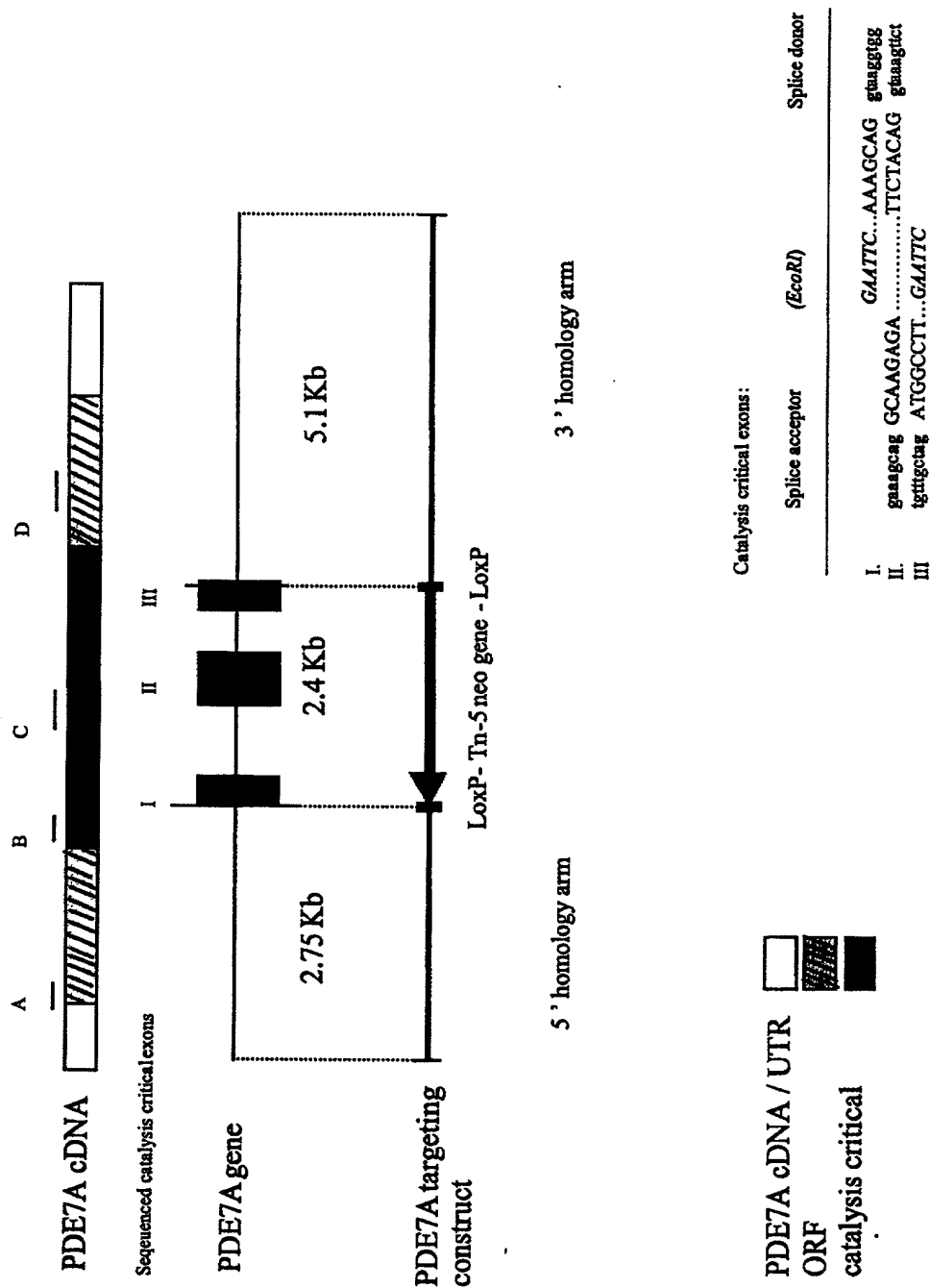


FIGURE 7



coding nucleotides are in upper case, intronic sequence is in lower case, EcoRI site is in italics

FIGURE 8

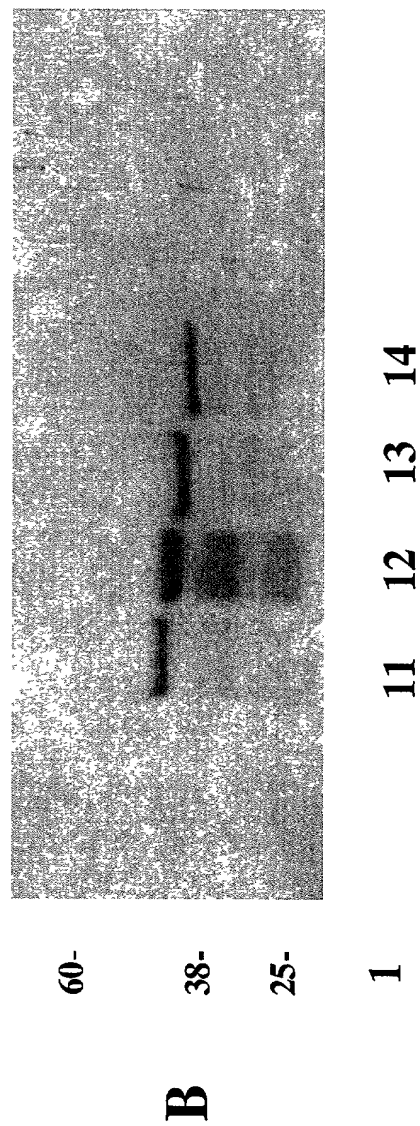
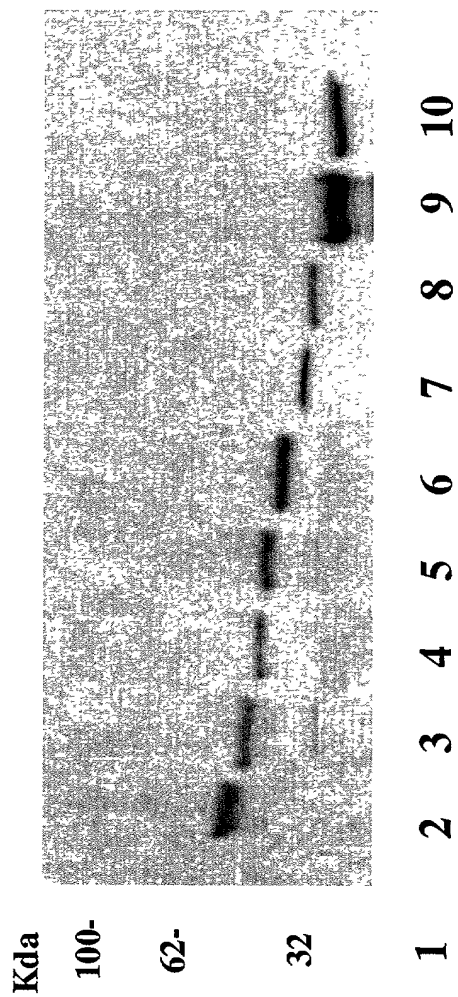


FIGURE 9

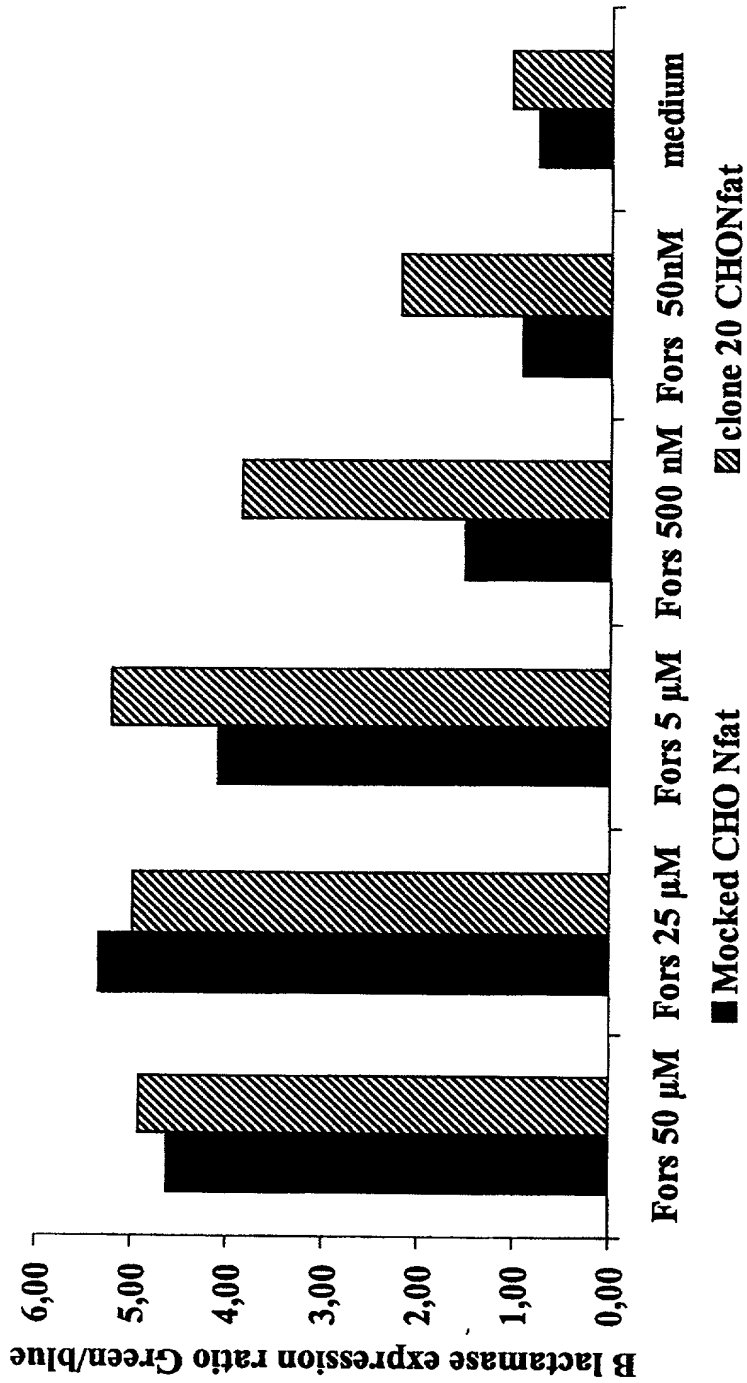


FIGURE 10

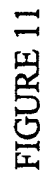
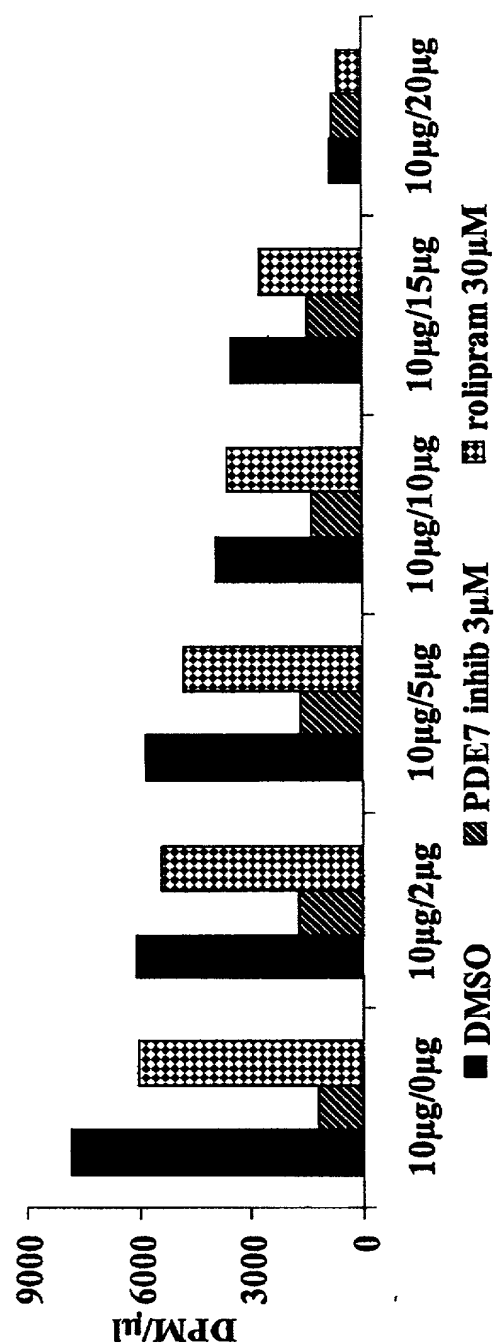


FIGURE 11





Quantity of the amino acid fragment 101-482 of the human PDE7A1 over quantity of the amino acid fragment 1-101 of the human PDE7A1

FIGURE 13

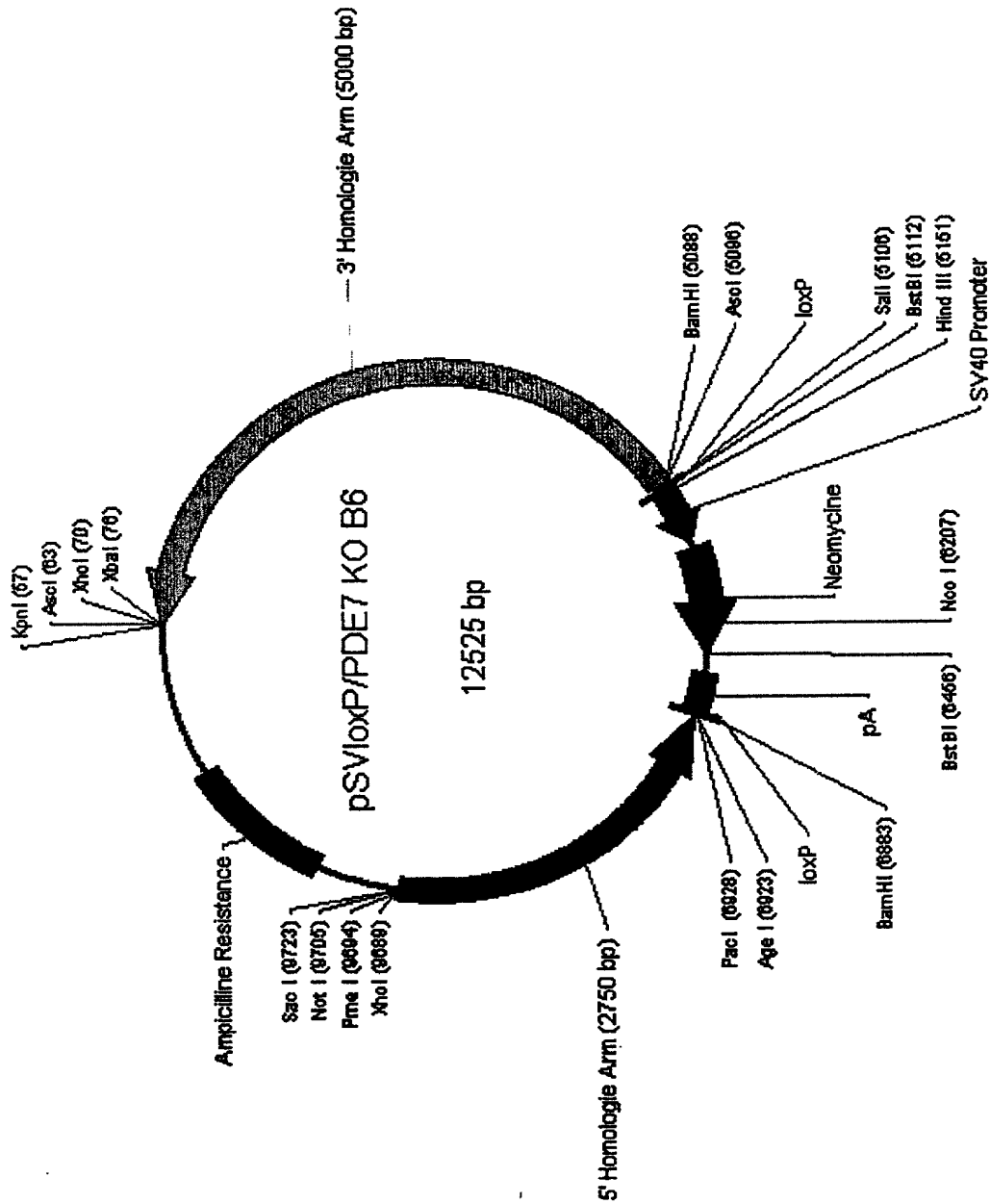


FIGURE 14

